

**Abstract**

**ARRANGEMENT AND METHOD FOR CONNECTING A NODE IN A DISTRIBUTED  
SYSTEM**

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An arrangement and method for interconnecting fail-uncontrolled processor nodes in a dependable distributed system. A node (340; 350) has a bus guardian (200) with input switches (240-242) which act in combination with a logic element (260) as an input multiplexer under the control of a control unit (250).

10 This provides the advantage of transferring the problem of fault containment from the output interface of a potentially faulty processing node to the input interface of fault-free processing nodes. By doing so, problems encountered by spatial proximity faults or functional dependencies within a faulty processing node that may jeopardize fault containment at its output interface are mitigated.